

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

Claim 1 (previously presented): A heat transfer structure comprising a substrate having a surface thereon and a heat conducting medium on the surface, the medium having a thermal conductivity substantially greater than silver.

Claim 2 (previously presented): The heat transfer structure of claim 1 wherein the medium comprises sodium chromate, silver dichromate, and monocrystalline silicon.

Claim 3 (previously presented): The heat transfer structure of claim 2 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

Claim 4 (previously presented): The heat transfer structure of claim 3 wherein said monocrystalline silicon is powder during said magnetic resonating step.

Claim 5 (previously presented): The heat transfer structure of claim 2 wherein said monocrystalline silicon has a purity greater than 99.999%

Claim 6 (previously presented): A heat transfer structure comprising a substrate having a surface thereon and a heat conducting medium on the surface, the medium having a thermal conductivity which substantially increases above an activation temperature.

Claim 7 (previously presented): The heat transfer structure of claim 6 wherein the medium comprises sodium chromate, silver dichromate, and monocrystalline silicon.

Claim 8 (previously presented): The heat transfer structure of claim 7 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

Claim 9 (previously presented): The heat transfer structure of claim 8 wherein said monocrystalline silicon is powder during said magnetic resonating step.

Claim 10 (previously presented): The heat transfer structure of claim 7 wherein said monocrystalline silicon has a purity greater than 99.999%.